

WHAT IS CLAIMED IS:

1. A universal air nozzle adapter comprising
a casing having a head and a body extended from said head, said head having
5 a first coupling hole for receiving a US type air nozzle and a second coupling hole for
receiving a UK type air nozzle, said body having an air inlet therein;
a block member mounted inside said head of said casing having a first air
hole and a second air hole, said first and second air holes communicating with said air
inlet of said body of said casing and said first and second coupling holes of said head, a
10 packing member mounted therein between said first air hole and said first coupling
hole for holding the US type air nozzle tight in said first coupling hole, and a gasket
mounted between said second coupling hole and said second air hole;
a clamping member mounted to said body of said casing and having a
clamping tip corresponding to said second coupling hole; and
15 a spring member provided between said clamping member and said casing
for generating resilience keeping said clamping tip of said clamping member
contacting against said casing.
2. The universal air nozzle adapter as defined in claim 1, wherein said block
20 member further comprises a switching valve therein for switching either connection
between said air inlet and said first air hole or connection between said air inlet and
said second air hole.
3. The universal air nozzle adapter as defined in claim 2, wherein said block
25 member comprises a valve chamber, a first air passage connected between said valve

chamber and said first air hole, a second air passage connected between said valve chamber and said second air hole, a guide hole connected between said first and second air passages and said air inlet, and a valve ball movably mounted in said valve chamber for blocking one of said first and second air passages.

5

4. The universal air nozzle adapter as defined in claim 1, wherein said block member is movable inside said head of said casing; said head of said casing block member comprising a locking lever pivotally mounted thereon to be pivotable for pushing said movable block to compress said packing member to further deform said
10 packing member.

5. The universal air nozzle adapter as defined in claim 4, wherein said locking lever comprises a mounting slot and an air nozzle connector detachably mounted in said mounting slot.

15

6. The universal air nozzle adapter as defined in claim 5, wherein said air nozzle connector is a French type air nozzle connector.

7. The universal air nozzle adapter as defined in claim 1, wherein said casing
20 further comprises at least one air nozzle connector detachably mounted on said casing, said at least one air nozzle connector each having an end connectable to said first coupling hole and the other end connectable to another different air nozzle.

8. The universal air nozzle adapter as defined in claim 1, wherein said casing
25 further comprises two mounting slots respectively formed in two opposite lateral sides

of said body thereof, and two air nozzle connectors respectively detachably mounted in said mounting slots.

9. The universal air nozzle adapter as defined in claim 8, wherein said two
5 air nozzle connectors are respectively a needle type air nozzle connector and a cone tip
type air nozzle connector.